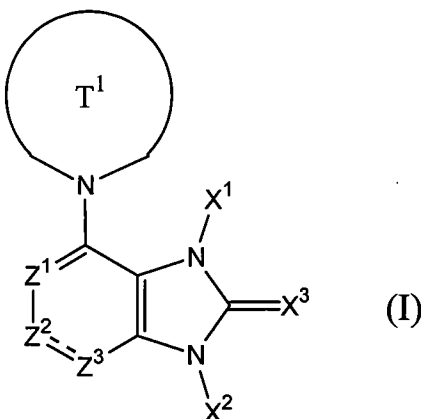


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

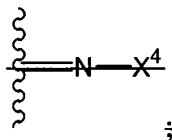
1. (Currently Amended) A compound represented by the ~~general~~ formula (I), or a salt ~~or a hydrate~~ thereof,



[wherein,

$T^1$  is a piperazin-1-yl group, a 3-amino-piperidin-1-yl group, or a 3-methylamino-piperidin-1-yl group;

$X^3$  denotes an oxygen atom[,], or a sulfur atom, ~~or a group of the formula~~



~~$X^4$  denotes a hydrogen atom, a  $C_{1-6}$  alkyl group which may have substituents, a  $C_{3-8}$  cycloalkyl group which may have substituents, or a  $C_{6-10}$  aryl  $C_{1-6}$  alkyl group which may have substituents;~~

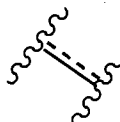
$X^1$  denotes a  $C_{1-6}$  alkyl group which may have substituents, a  $C_{2-6}$  alkenyl group which may have substituents, a  $C_{2-6}$  alkynyl group which may have substituents, a  $C_{6-10}$  aryl group which may have substituents, a 5 to 10-membered heteroaryl group which may have substituents, a  $C_{6-10}$  aryl  $C_{1-6}$  alkyl group which may have

substitutents, or a 5 to 10-membered heteroaryl C<sub>1-6</sub> alkyl group which may have substitutents;

~~Z<sup>1</sup> denotes a nitrogen atom, or a group of the formula -CR<sup>3</sup>=;~~

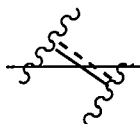
~~Z<sup>2</sup> and Z<sup>3</sup> each independently denote~~ denotes a nitrogen atom; a group of the formula -  
CR<sup>1</sup>=, a carbonyl group, or a group of the formula -NR<sup>2</sup>- and Z<sup>3</sup> denotes a  
nitrogen atom;

in formula (I), the following formula



~~denotes a double bond or a single bond;~~

~~in formula (I), when the following formula~~



~~denotes a double bond, Z<sup>2</sup> and Z<sup>3</sup> each independently denote a nitrogen atom or a~~  
~~group of the formula -CR<sup>1</sup>=;~~

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and X<sup>2</sup> each independently denote a hydrogen atom, a 4 to 8-membered heterocyclic group which may have substitutents, or a group represented by the formula -A<sup>0</sup>-A<sup>1</sup>-A<sup>2</sup>;

A<sup>0</sup> denotes a single bond, or a C<sub>1-6</sub> alkylene group that may have 1 to 3 substitutents selected from the following substituent group A;

A<sup>1</sup> denotes a single bond, oxygen atom, sulfur atom, a sulfinyl group, a sulfonyl group, a carbonyl group, a group of the formula -O-CO, a group of the formula -CO-O-, a group of the formula -NR<sup>A</sup>-, a group of the formula -CO-NR<sup>A</sup>-, a group of the formula NR<sup>A</sup>-CO-, a group of the formula -SO<sub>2</sub>-NR<sup>A</sup>-, or a group of the formula -NR<sup>A</sup>-SO<sub>2</sub>-;

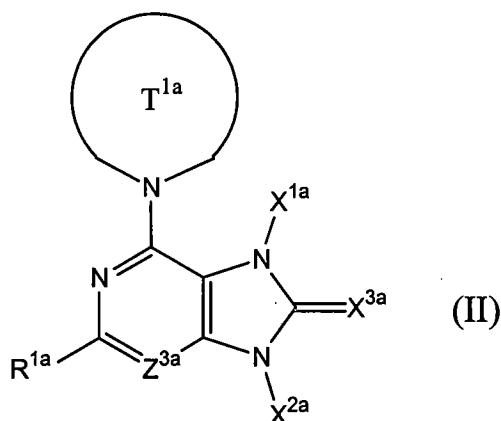
A<sup>2</sup> and R<sup>A</sup> each independently denote a hydrogen atom, a cyano group, a C<sub>1-6</sub> alkyl group, a C<sub>3-8</sub> cycloalkyl group, a C<sub>2-6</sub> alkenyl group, a C<sub>2-6</sub> alkynyl

group, a C<sub>6-10</sub> aryl group, a 5 to 10-membered heteroaryl group, a 4 to 8-membered heterocyclic group, or a C<sub>6-10</sub> aryl C<sub>1-6</sub> alkyl group;  
however, A<sup>2</sup> and R<sup>A</sup> each independently may have 1 to 3 substituents selected from the substituent group A described below:

<Substituent group A>

substituent group A refers to a group consisting of: a hydroxyl group, a mercapto group, a cyano group, a halogen atom, a C<sub>1-6</sub> alkyl group, a C<sub>3-8</sub> cycloalkyl group, a C<sub>2-6</sub> alkenyl group, a C<sub>2-6</sub> alkynyl group, a C<sub>6-10</sub> aryl group, a 5 to 10-membered heteroaryl group, a 4 to 8-membered heterocyclic group, a C<sub>1-6</sub> alkoxy group, a C<sub>1-6</sub> alkylthio group, a group of the formula -NR<sup>B4</sup>-R<sup>B5</sup> (where R<sup>B4</sup> and R<sup>B5</sup> denote hydrogen atoms or C<sub>1-6</sub> alkyl groups), a group of the formula -CO-R<sup>B6</sup> (where R<sup>B6</sup> denotes a 1-pyrrolidinyl group, a 1-morpholinyl group, a 1-piperazinyl group, or a 1-piperidyl group), and a group of the formula -CO-R<sup>B</sup>-R<sup>B2</sup> (where R<sup>B</sup> denotes a single bond, an oxygen atom, or a group represented by the formula -NR<sup>B3</sup>-; R<sup>B2</sup> and R<sup>B3</sup> each independently denote a hydrogen atom, a C<sub>1-6</sub> alkyl group, a C<sub>3-8</sub> cycloalkyl group, a C<sub>2-6</sub> alkenyl group, a C<sub>2-6</sub> alkynyl group, a C<sub>6-10</sub> aryl group, a 5 to 10-membered heteroaryl group, a C<sub>6-10</sub> aryl C<sub>1-6</sub> alkyl group, or a 5 to 10-membered heteroaryl C<sub>1-6</sub> alkyl group)].

2. (Currently Amended) A compound represented by the ~~general~~ formula (II), or a salt ~~or a hydrate~~ thereof,



[wherein,

$Z^{3a}$  denotes a nitrogen atom ~~or a group of the formula  $CR^{2a}=$~~ ;

$X^{3a}$  denotes an oxygen atom or a sulfur atom;

$T^{1a}$  is a piperazin-1-yl group, a 3-amino-piperidin-1-yl group, or a 3-methylamino-piperidin-1-yl group;

$X^{1a}$  denotes a hydrogen atom, a  $C_{2-6}$  alkenyl group, a  $C_{2-6}$  alkynyl group, or a benzyl group;

$R^{1a}$  and  ~~$R^{2a}$  each independently denote~~ denotes a hydrogen atom, a halogen atom, a  $C_{1-6}$  alkyl group, a cyano group, or a group represented by the formula  $-A^{0a}-A^{1a}$ ;

$A^{0a}$  denotes an oxygen atom, a sulfur atom, or a group represented by the formula  $-NA^{2a}-$ ;

$A^{1a}$  denotes a hydrogen atom, a  $C_{1-6}$  alkyl group, a  $C_{2-6}$  alkenyl group, a  $C_{2-6}$  alkynyl group, a phenyl group, a cyanophenyl group, a carbamoylphenyl group, a benzyl group, a pyridylmethyl group, or a pyridyl group;

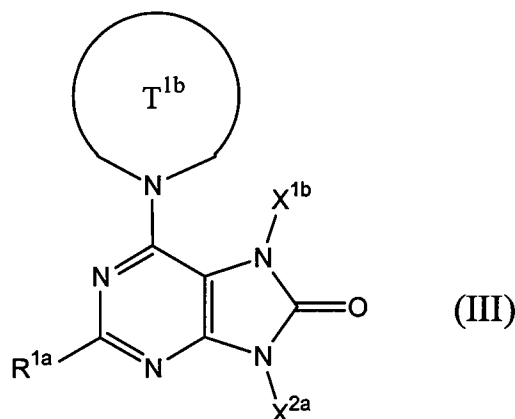
$A^{2a}$  denotes a hydrogen atom, or a  $C_{1-6}$  alkyl group;

$X^{2a}$  denotes a hydrogen atom, a  $C_{2-6}$  alkenyl group, a  $C_{2-6}$  alkynyl group, a cyclohexenyl group, a 1H-pyridin-2-on-yl group, a 1-methyl-1H-pyridin-2-on-yl group, a  $C_{1-6}$  alkyl group that may have a group selected from substituent group B described below, a phenyl group that may have a group selected from substituent group B described below, a 5 or 6-membered heteroaryl group that may have a group selected from substituent group B described below, a phenyl  $C_{1-6}$  alkyl group that may have a group selected from substituent group B described below, or a pyridyl  $C_{1-6}$  alkyl group that may have a group selected from substituent group B described below:

<Substituent group B>

substituent group B refers to a group consisting of a chlorine atom, a bromine atom, a cyano group, a  $C_{1-6}$  alkyl group, a  $C_{2-6}$  alkenyl group, a  $C_{2-6}$  alkynyl group, a  $C_{3-8}$  cycloalkyl group, a  $C_{1-6}$  alkoxy group, a carbamoyl group, a carboxyl group, and a  $C_{1-6}$  alkoxycarbonyl group].

3. (Currently Amended) A compound represented by the ~~general~~ formula (III), or a salt ~~or a hydrate~~ thereof,



[wherein,

T<sup>1b</sup> stands for a piperazin-1-yl group, a 3-amino-piperidin-1-yl group, or a 3-methylamino-piperidin-1-yl group;

X<sup>1b</sup> denotes a 2-pentynyl group, a 2-butylnyl group, a 3-methyl-2-butenyl group, a 2-butenyl group, or a benzyl group; and

R<sup>1a</sup> and X<sup>2a</sup> have the same meaning as R<sup>1a</sup> and X<sup>2a</sup> of claim 2 defined above].

4. (Currently Amended) The compound of claim 2 or 3, or a salt ~~or a hydrate~~ thereof, wherein R<sup>1a</sup> is a hydrogen atom, a chlorine atom, a cyano group, a methoxy group, an ethoxy group, an i-propyloxy group, a methylthio group, an allyloxy group, a 2-butyloxy group, a phenyloxy group, a cyanophenyloxy group, a carbamoylphenyloxy group, a phenylmethyloxy group, a (phenylmethyl)amino group, a pyridylmethyloxy group, a pyridyloxy group, an amino group, a methylamino group, a dimethylamino group, or a diethylamino group.

5. (Currently Amended) The compound of claim 2 or 3, or a salt ~~or a hydrate~~ thereof, wherein R<sup>1a</sup> is a hydrogen atom, a methoxy group, an ethoxy group, an i-propyloxy group, a 2-cyanophenyloxy group, or a 2-carbamoylphenyloxy group.

6. (Currently Amended) The compound of claim 2 or 3, or a salt ~~or a hydrate~~ thereof, wherein X<sup>2a</sup> is a hydrogen atom, a methyl group, an ethyl group, an n-propyl group, a 2-

methylpropyl group, a group represented by the formula  $-\text{CH}_2-\text{R}^{10}$  (where  $\text{R}^{10}$  denotes a carbamoyl group, a carboxyl group, a methoxycarbonyl group, a cyano group, a cyclopropyl group, or a methoxy group), a 3-cyanopropyl group, an allyl group, a 2-propionyl group, a 2-butynyl group, a 2-methyl-2-propenyl group, a 2-cyclohexynyl group, a chloropyridyl group, a methoxypyridyl group, a methoxypyrimidyl group, a pyridyl group, a furyl group, a thienyl group, a pyridylmethyl group, a 1H-pyridin-2-on-5-yl group, a 1-methyl-1H-pyridin-2-on-5-yl group, a phenyl group that may have a group selected from substituent group Y described below, a benzyl group that may have a group selected from substituent group Y described below, or a phenethyl group that may have a group selected from substituent group Y described below:

substituent group Y is a group consisting of: a chlorine atom, a bromine atom, a methoxy group, a cyano group, a vinyl group, and a methyl group.

7. (Currently Amended) The compound of claim 2 or 3, a salt thereof, ~~or a hydrate thereof~~, wherein  $\text{X}^{2a}$  is a methyl group, n-propyl group, allyl group, 2-propynyl group, 2-butynyl group, cyclopropylmethyl group, phenyl group, 3-pyridyl group, 3-furyl group, 3-thienyl group, 2-methoxy-5-pyrimidinyl group, 2-methoxy-5-pyridyl group, 2-chloro-4-pyridyl group, or 1H-pyridin-2-on-5-yl group.

8-9. (Cancelled)

10. (Currently Amended) A pharmaceutical composition comprising the compound of claim 1, or a salt thereof, ~~or a hydrate thereof~~, and an adjuvant for formulation.

11-17. (Cancelled)